

# TRUST TE CONNECTIVITY FOR RELIABLE CONNECTIONS

# DEUTSCH COMMERCIAL VEHICLE CONNECTOR PORTFOLIO

Time tested, field proven, sealed connectors meet the tough requirements of commercial transportation around the world.

TE Connectivity's (TE's) rugged DEUTSCH connectors have been the smart choice for design engineers for over 40 years. DEUTSCH environmentally sealed electrical connectors are designed for harsh operating environments and critical applications where dirt, moisture, salt spray, and rough terrain can otherwise contaminate or damage electrical connections.

When you design electrical system architectures using DEUTSCH connectors, you get a full set of product solutions, including TE application tooling, field service tools, world-class engineering support, full technical documentation, and more from the industry leader, TE.



## Our DEUTSCH portfolio is engineered to solve technical challenges across the globe:

### DEUTSCH Connectors utilize the world-class DEUTSCH Common Contact System:

- A unique system of interchangeable and intermatable contacts that can be used in all DEUTSCH connectors. Pins and Sockets available in size 20, 16, 12, 8 and 4.
- Contacts are available in solid or stamped & formed styles, with plating options including gold, tin, and nickel.
- High-quality crimps allow DEUTSCH contacts to provide reliable, low resistance power and data transmission.

### HD Products:

- Robust circular connection systems with quick connect/disconnect bayonet coupling
- Metal shell HD30, plastic shell HDP20, and smaller diagnostic HD10 series product families
- All using durable DEUTSCH pin and socket common contacts.

### DT Products:

- Rugged rectangular connection systems with cantilever latches, utilize separate wedge locks
- Standard DT, Miniature DTM, and Power DTP series product families
- All using durable DEUTSCH pin and socket common contacts

Our solutions adapt to virtually any **harsh environment application**, including:



Powertrain  
Controllers



ABS/Chassis &  
ESC Controls



Telematics &  
Infotainment  
Modules



Sensors,  
Displays &  
Instrumentation



Wire-  
To-Wire



Unique  
Wire-  
To-Board

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## What's going on in harsh environment connectivity?

Years ago, tractors, construction equipment, trucks, and boats had simple electrical systems that might have included electrical starting and a basic lighting package. Today, complex electronics, joystick controls, fuel-efficient engines, LED lights, sophisticated transmissions, and high-speed networks are standard equipment. The need to protect sensitive electrical systems from vibration, moisture, dust, dirt, and salt has never been greater. TE's rugged DEUTSCH connector solutions are used to support today's increasingly complex, sophisticated equipment and applications. From agricultural equipment to construction equipment to mining equipment and many other off-road applications as well as heavy duty trucks to fire, specialized and military trucks to motorcycles and ATVs to boats and other marine applications, many leading manufacturers count on TE's reliable DEUTSCH connector products.

## DEUTSCH CONNECTOR PRODUCT FEATURES

The DEUTSCH connector portfolio offers many configurations, mounting styles, and material selections to meet your diverse application requirements. Since DEUTSCH series use the same common pin and socket contacts and tooling, it enables wire harness design commonality, simplifies installation, and facilitates easy field repairs.

### HD Products

#### HD30 Connectors



##### KEY FEATURES

- Accepts contact sizes 4 (100 amps), 8 (60 amps), 12 (25 amps), 16 (13 amps), and 20 (7.5 amps)
- 4-22 AWG (13.00-0.35 mm<sup>2</sup>) wiring
- 2, 6, 7, 8, 9, 14, 16, 18, 19, 20, 21, 23, 29, 31, 33, 35, and 47 circuit arrangements
- In-line or panel mount
- Circular, aluminum housing

#### HDP20 Connectors



##### KEY FEATURES

- Accepts contact sizes 4 (100 amps), 8 (60 amps), 12 (25 amps), 16 (13 amps), and 20 (7.5 amps)
- 4-22 AWG (25.00-0.35 mm<sup>2</sup>) wiring
- 2, 6, 7, 8, 9, 14, 16, 18, 19, 20, 21, 23, 29, 31, 33, 35, and 47 circuit arrangements
- In-line or panel mount
- Circular, thermoplastic housing

#### HD10 Connectors



##### KEY FEATURES

- Accepts contact sizes 4 (100 amps), 12 (25 amps), and 16 (13 amps)
- 6-20 AWG (16.00-0.50 mm<sup>2</sup>) wiring
- 3, 4, 5, 6, and 9 circuit arrangements
- In-line or panel mount
- Circular, thermoplastic housing

### DT Products

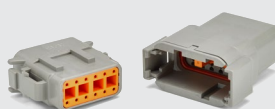
#### DT Connectors



##### KEY FEATURES

- Accepts contact size 16 (13 amp rated)
- 14-20 AWG (2.50-0.50 mm<sup>2</sup>) wiring
- 2, 3, 4, 6, 8, and 12 circuit arrangements
- In-line, flange, or PCB mount

#### DTM Connectors



##### KEY FEATURES

- Accepts contact size 20 (7.5 amp rated)
- 14-22 AWG (2.50-0.35 mm<sup>2</sup>) wiring
- 2, 3, 4, 6, 8, and 12 circuit arrangements
- In-line, flange, or PCB mount

#### DTP Connectors



##### KEY FEATURES

- Accepts contact size 12 (25 amp rated)
- 10-14 AWG (6.00-2.00 mm<sup>2</sup>) wiring
- 2 and 4 circuit arrangements
- In-line, flange, or PCB mount

READ MORE ABOUT OUR PRODUCTS: [te.com/ictliterature](https://te.com/ictliterature)

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